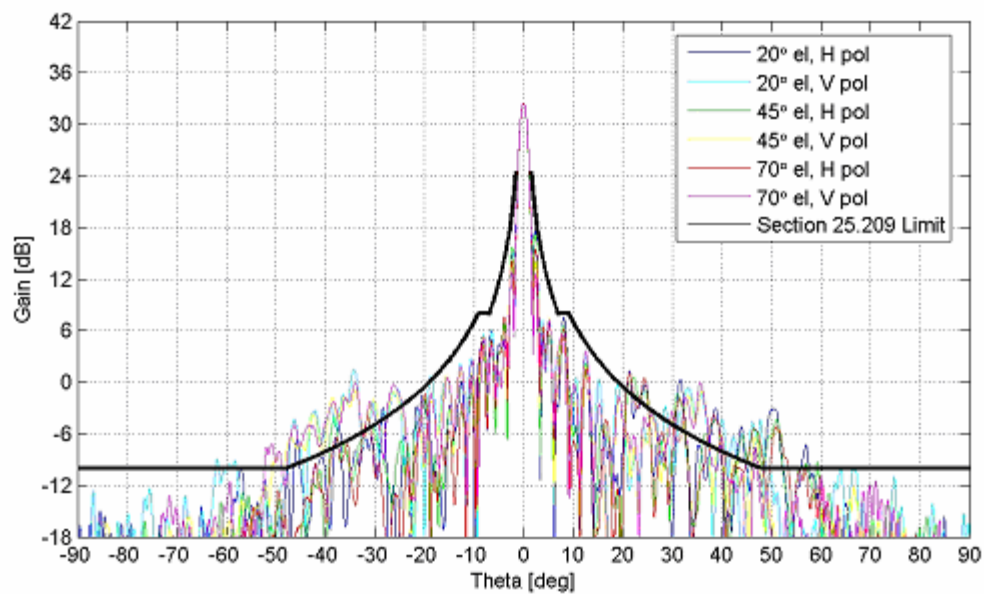
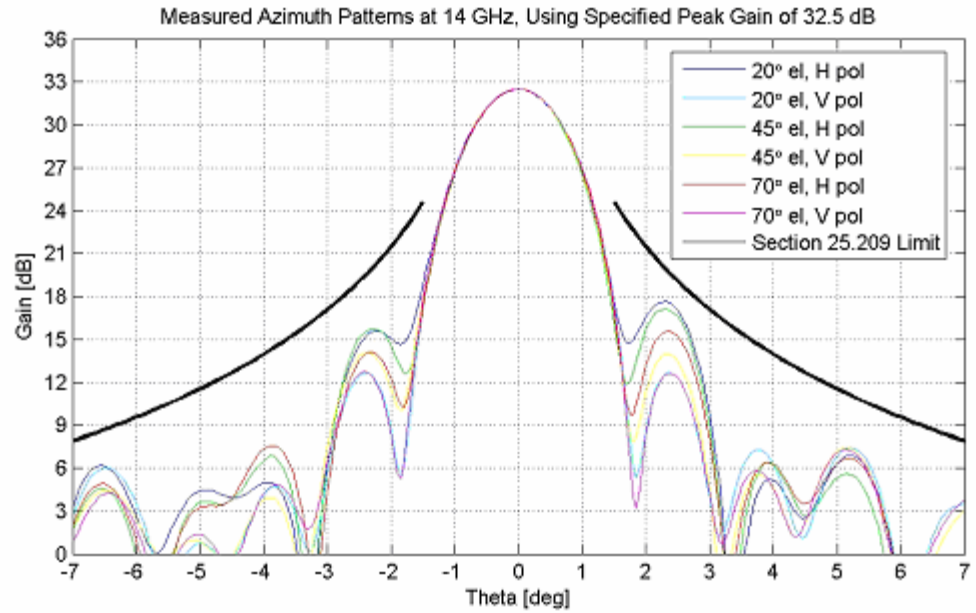
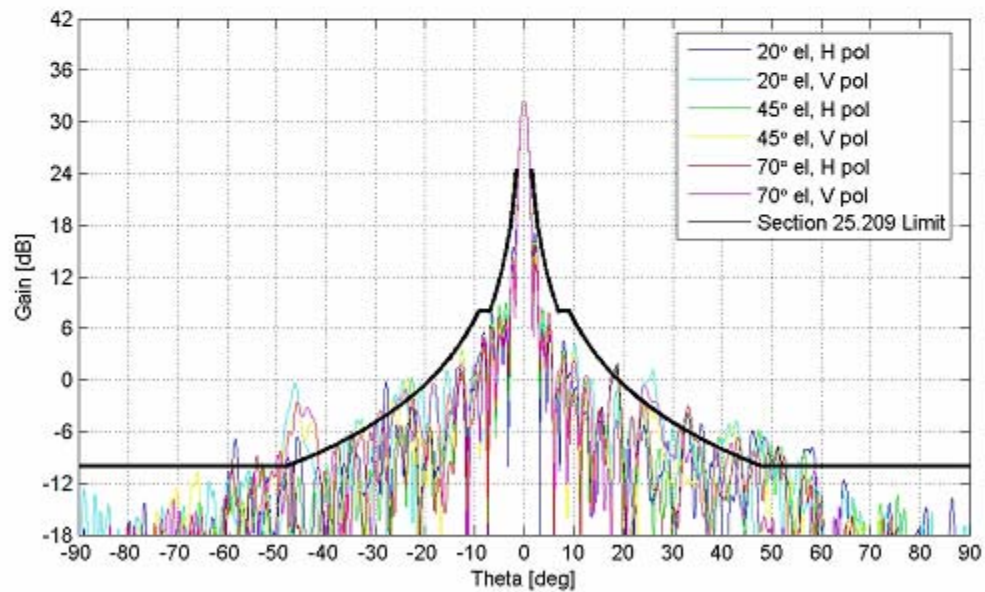
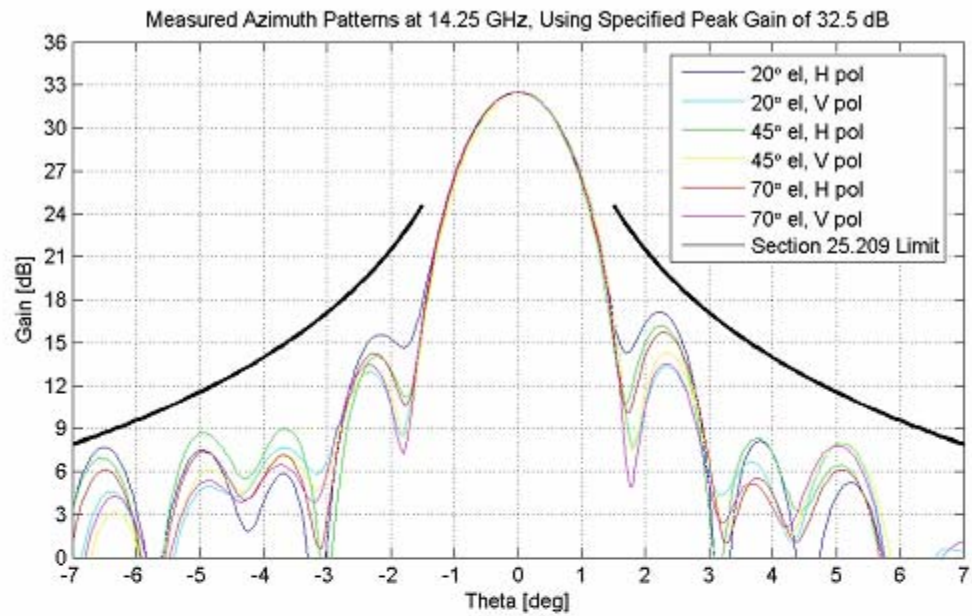
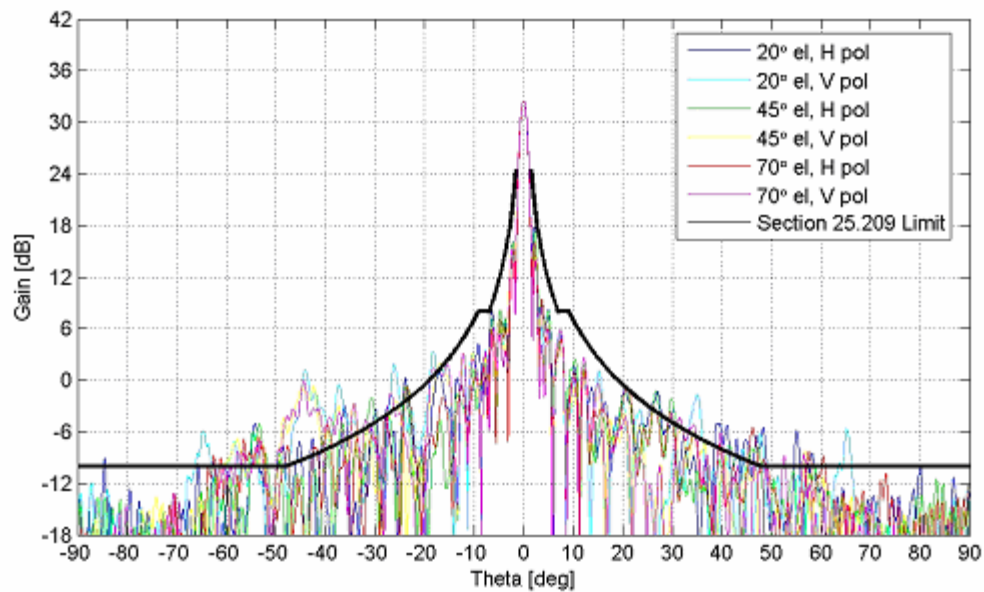
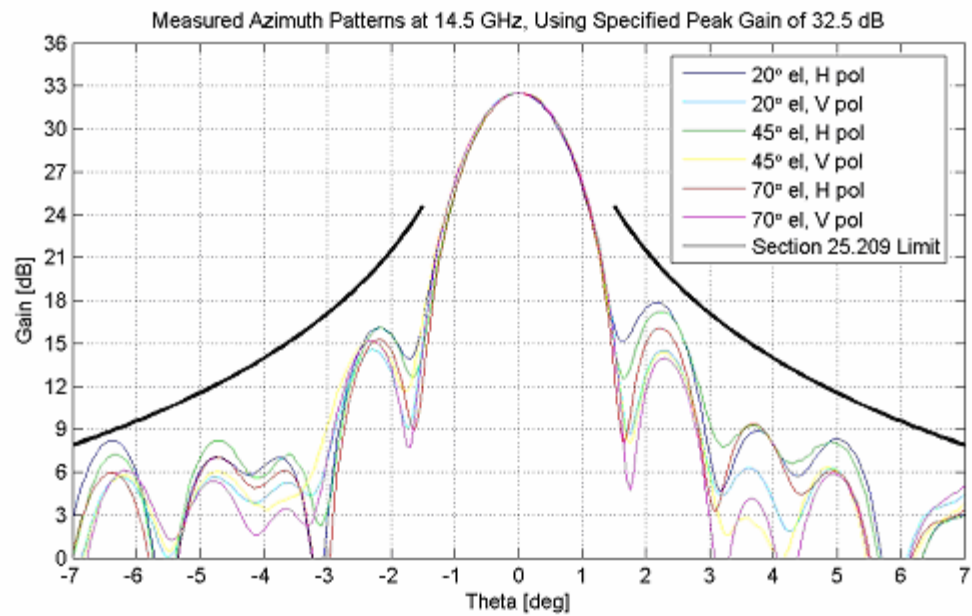


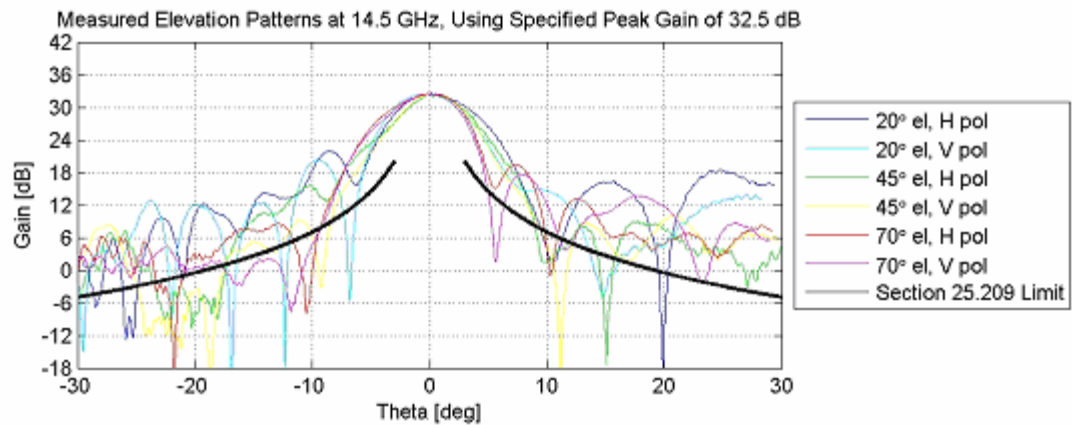
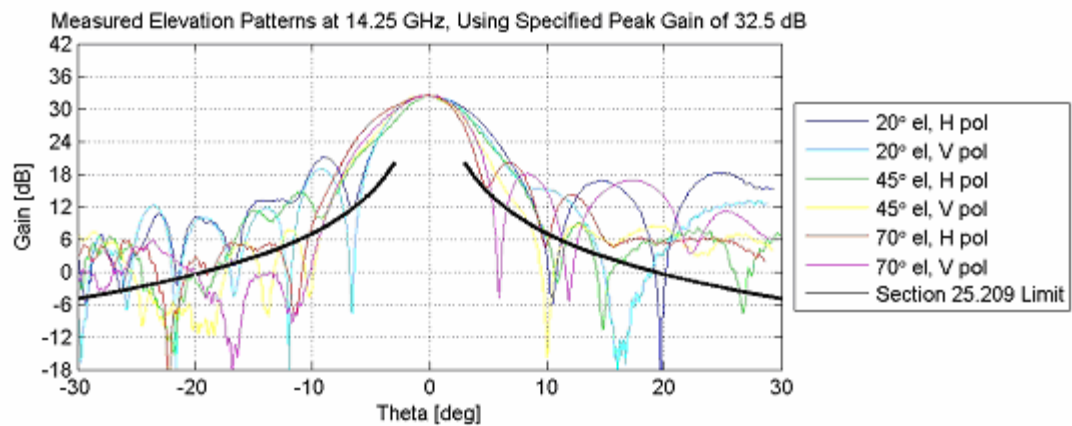
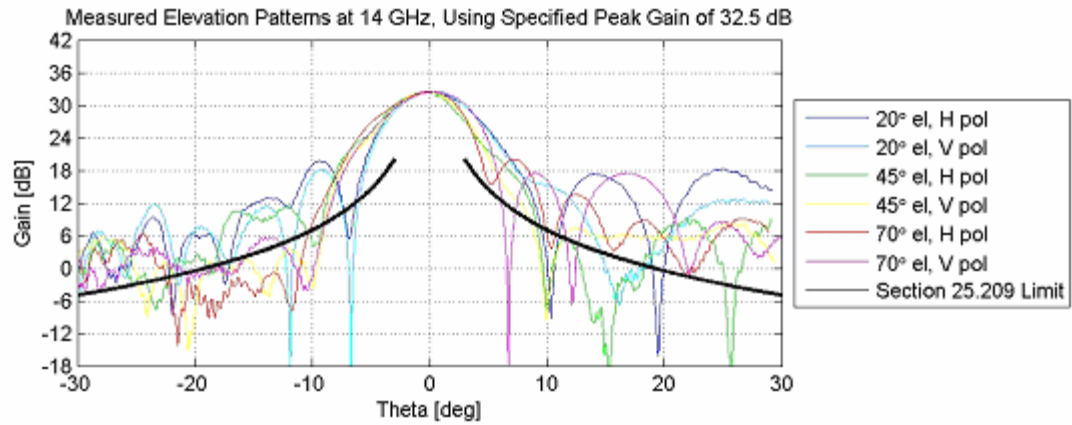
Gain Patterns

The gain patterns shown in this section show the beam peak at an angle of 0° and peak gain to be 32.5 dB as specified.



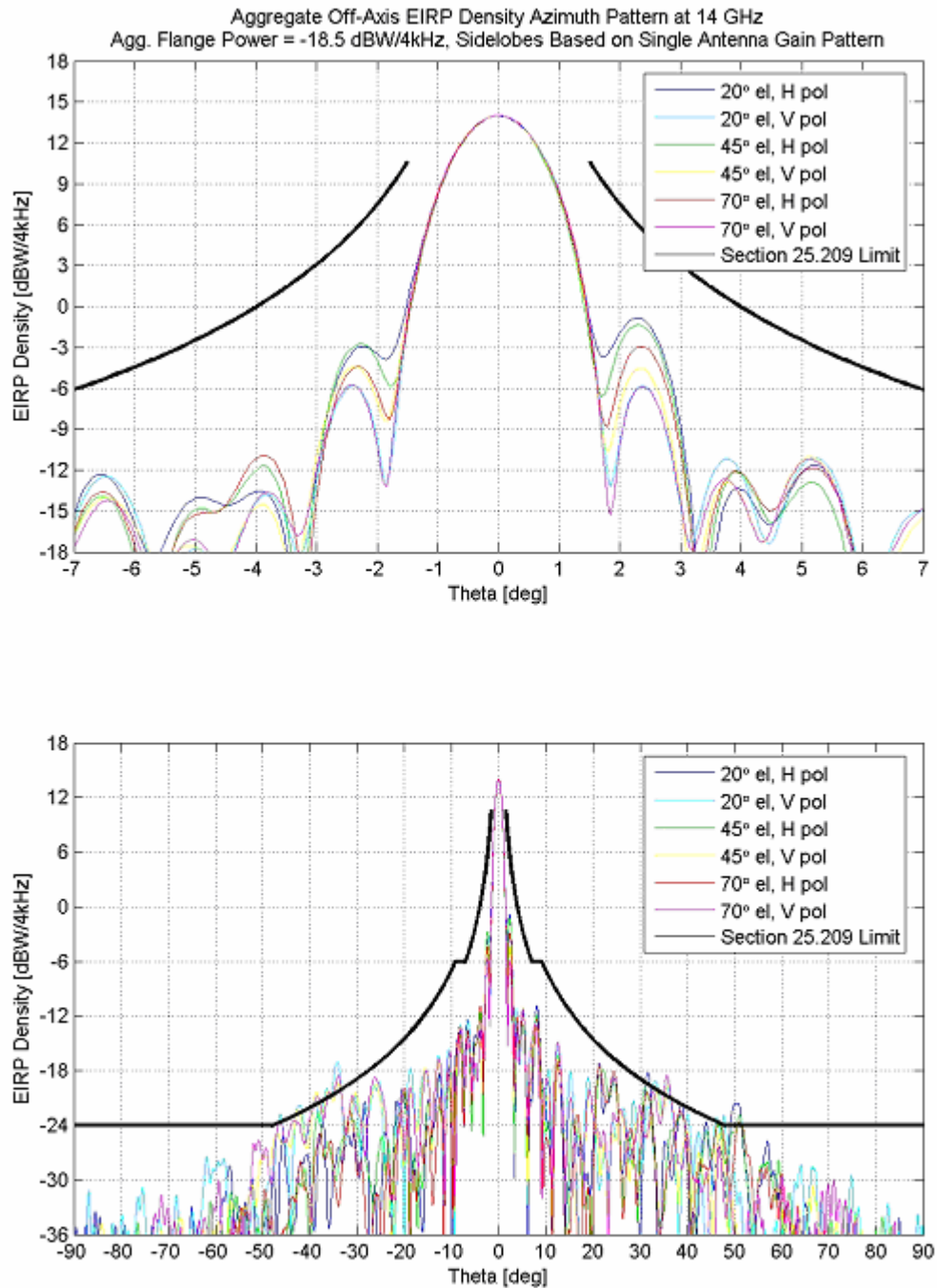


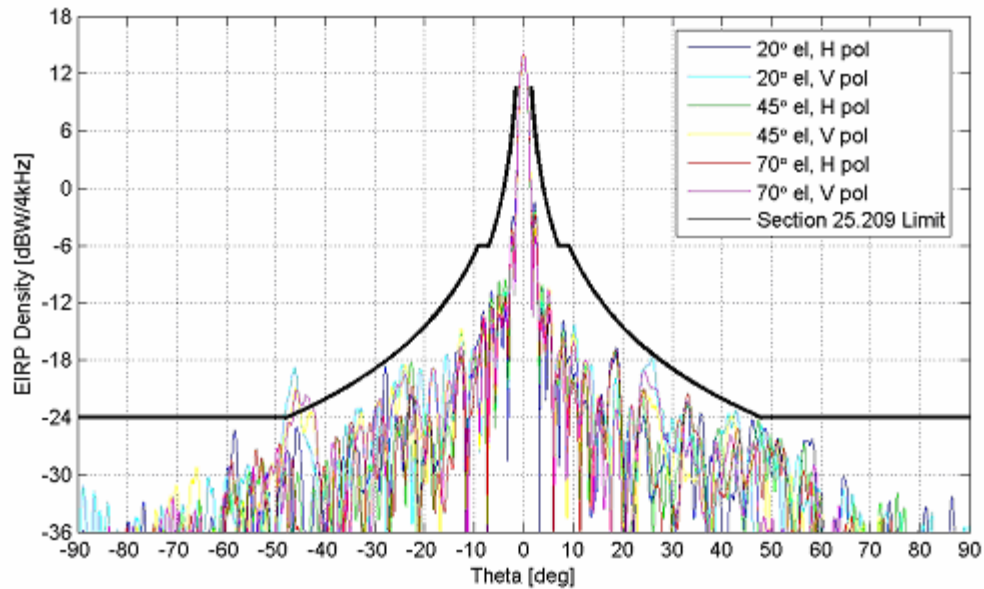
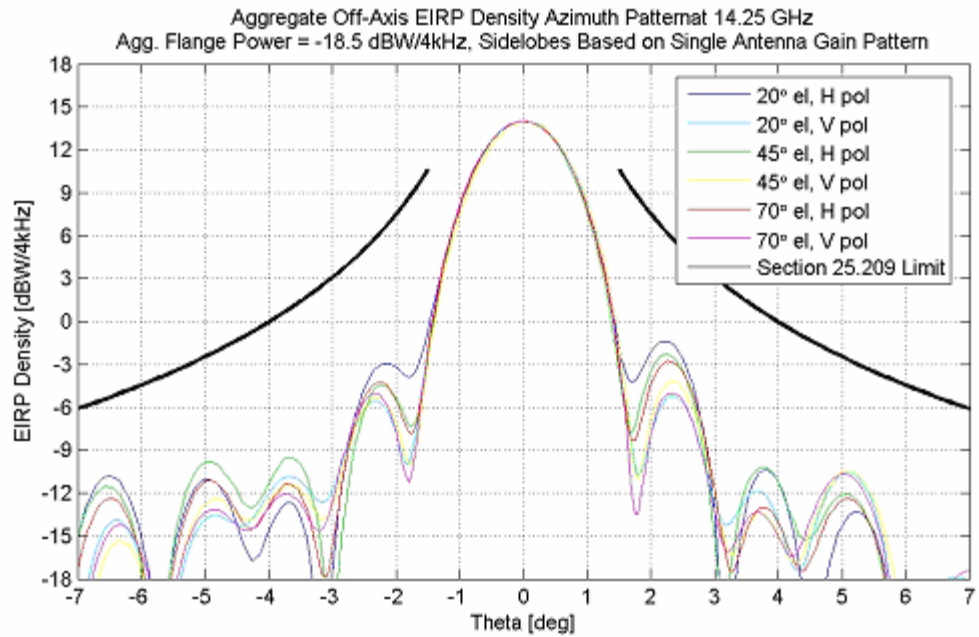


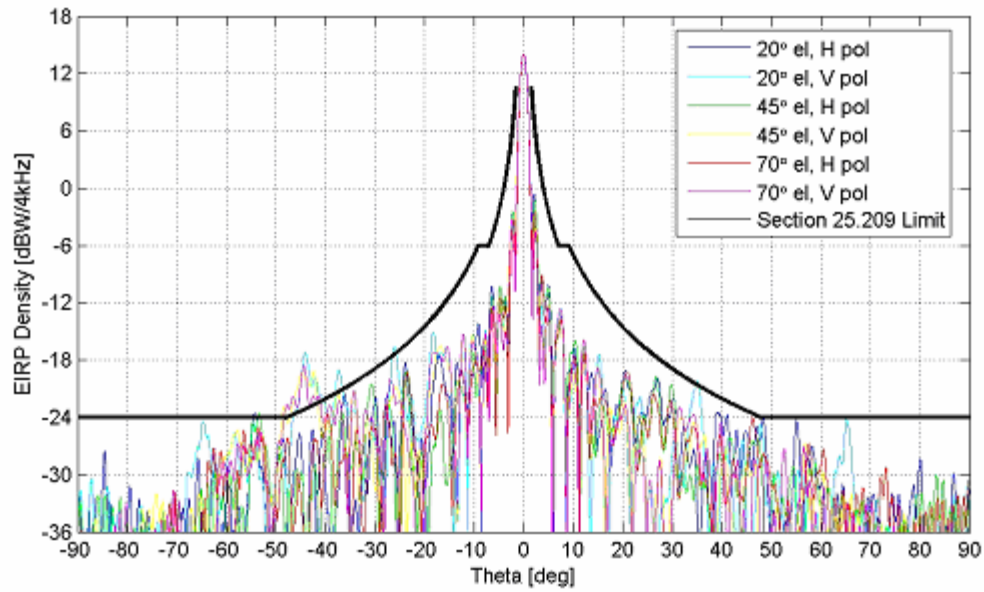
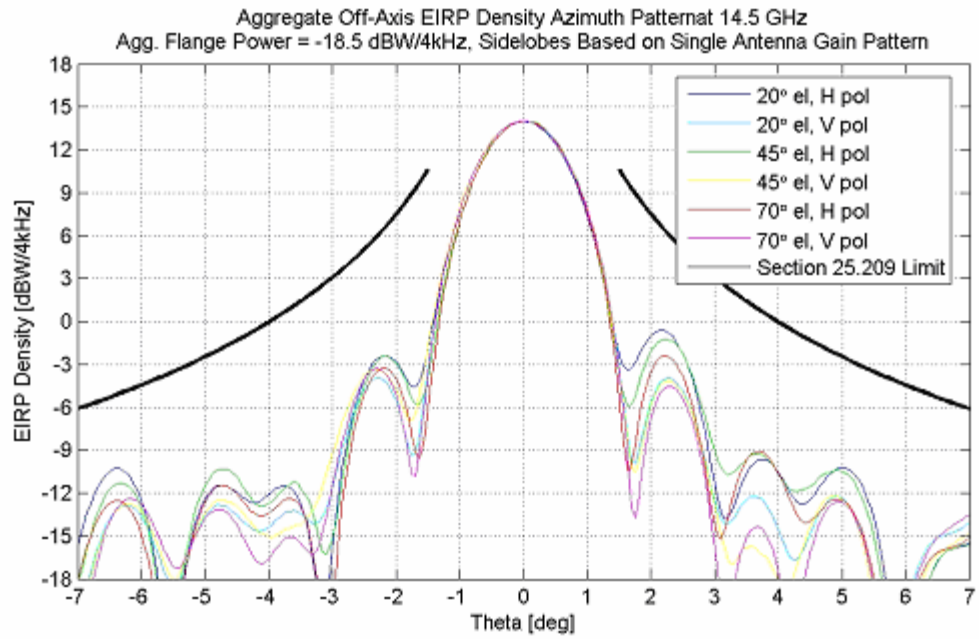


Off-Axis EIRP Patterns

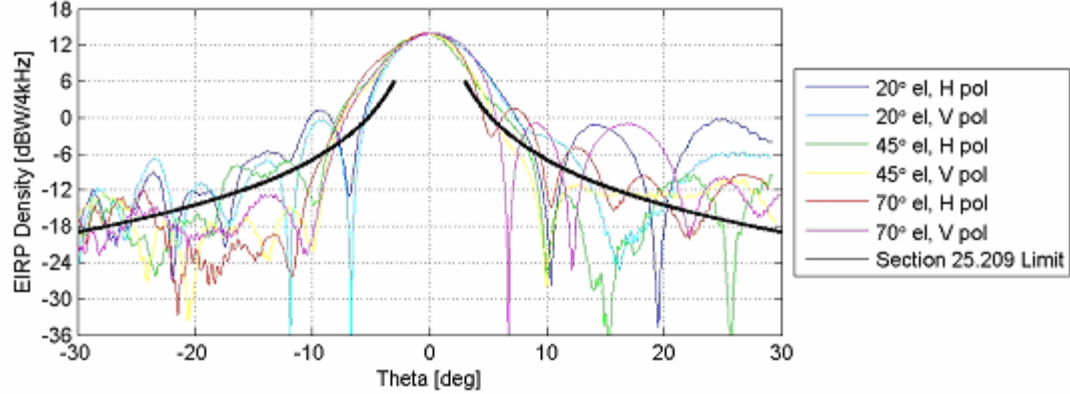
Preliminary off-axis EIRP patterns assuming input power to the antenna of -18.5 dBW/4kHz and peak gain of 32.5 dB, resulting in on-axis EIRP density of 14 dBW/4kHz. If the antenna peak gain exceeds 32.5 dB, the system may be controlled at a reduced power. Note that as plotted, the 10% sidelobe rule is required.



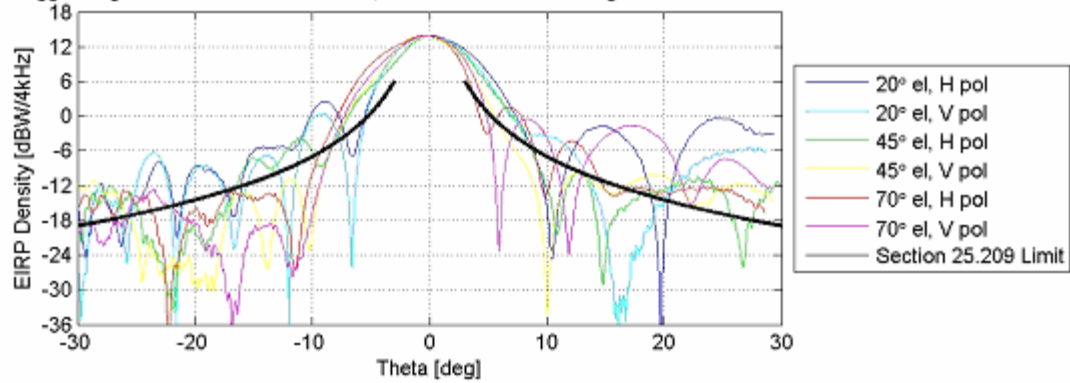




Aggregate Off-Axis EIRP Density Elevation Pattern at 14 GHz
Agg. Flange Power = -18.5 dBW/4kHz, Sidelobes Based on Single Antenna Gain Pattern



Aggregate Off-Axis EIRP Density Elevation Pattern at 14.25 GHz
Agg. Flange Power = -18.5 dBW/4kHz, Sidelobes Based on Single Antenna Gain Pattern



Aggregate Off-Axis EIRP Density Elevation Pattern at 14.5 GHz
Agg. Flange Power = -18.5 dBW/4kHz, Sidelobes Based on Single Antenna Gain Pattern

